

**U.S. PATENT AND TRADEMARK OFFICE**  
 Commissioner of Patents and Trademarks  
 Box Assignments  
 Washington, D.C. 20231

**APPENDIX B**  
**RECORDATION FORM COVER SHEET**  
**PATENTS ONLY**

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

**1. Name of conveying party(ies):**

Yiqing Feng

Nicholas R. Staten

Charles M. Baum

Neena L. Summers

Maire H. Caparon

S. Christopher Bauer

Linda L. Zurfluh

John P. Mc Kearn

Barbara K. Klein

Stephen C. Lee

Charles A. McWherter

Judith G. Giri

**2. Name and address of receiving party(ies):**

Name: G.D. Searle & Co.

Internal Address: Corporate Patent Department

P.O. Box 5110

Chicago, IL 60680

Street Address: 5200 Old Orchard Road

Skokie, IL 60077

**Additional name(s) of conveying party(ies) attached?      Additional name(s) & address(es) attached?**

Yes  No

Yes  No

**3. Nature of Conveyance:**

Assignment  Merger

Security Agreement  Change of Name

Other \_\_\_\_\_

Execution Date: October 17, 1997

**4. Application number(s) or patent number(s): 08/835,162**

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: G.D. Searle & Co.

Internal Address: Corporate Patent Department

P.O. Box 5110

Chicago, IL 60680

Street Address: 5200 Old Orchard Road

Skokie, IL 60077

Attention: Roger A. Williams

6. Total number of applications and patents involved: [ 1 ]

7. Total fee (37CFR 3.41): \$40.00

[ X ] Authorized to be charged to deposit account

8. Deposit account number:

19-1025

(Attach duplicate copy of this page if paying by deposit account)

9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Dennis A. Bennett  
Name of Person Signing

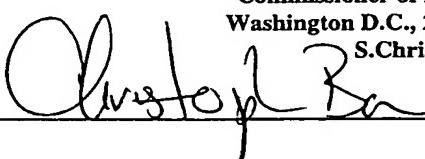


Signature

10/28/97  
Date

Total number of pages comprising cover sheet: [ 2 ]

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:  
Commissioner of Patents and Trademarks,  
Washington D.C., 20231 on October 28, 1997  
S.Christopher Bauer

  
\_\_\_\_\_  
Date: 10/28/97

ASSIGNMENT (JOINT, SEPARATE)

For Ten Dollars and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Nicholas R. Staten, Charles A. McWherter, Yiqing Feng, Judith G. Giri, Neena L. Summers, Maire H. Caparon, S. Christopher Bauer, Linda L. Zurfluh, Barbara K. Klein, Stephen C. Lee, and John Patrick McKearn, residing at 859 Queen Ann Place, St. Louis, MO 63122; 16564 Thunderhead Canyon Ct., Wildwood, Missouri 63011; 423 Mission Ct., St. Louis, Missouri, 63130; 15446 Grantly Drive, Chesterfield, Missouri, 63017; 1203 Saddlemaker, St. Charles, Missouri, 63304-2423; 109 Beechwood Court, Chesterfield, Missouri, 63017; 4656 Orchard Road, New Haven, Missouri, 63068; 126 East Maple, Kirkwood, Missouri, 63122; 12917 Topping Estates, Town and Country, Missouri, 63131, 828 Fernview Drive, St. Louis, Missouri, 63141; 18612 Babler Meadows Drive, St. Louis, Missouri, 63038, hereby sell, assign, transfer and convey unto G. D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois, 60680, its successors and assigns, the entire right, title and interest in and to our invention in

MULTI-FUNCTIONAL HEMATOPOIETIC RECEPTOR AGONISTS

described in an application for United States Letters Patent therefore, executed on even date herewith, and in and to all Letters Patent of the United States and foreign countries, in which we are joint inventors with Charles M. Baum, including any divisions, continuations, reissues and extensions thereof that may be obtained therefore; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G. D. SEARLE & CO., or its representatives any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid our said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G. D. SEARLE & CO., its successors and assigns.

Signed and sealed this 10<sup>th</sup> day of October, 1997.

Nicholas R. Staten  
Nicholas R. Staten

Charles A. McWherter  
Charles A. McWherter

John P. McKearn  
John P. McKearn

Linda L. Zurfluh  
Linda L. Zurfluh

Yiqing Feng  
Yiqing Feng

Stephen C. Lee  
Stephen C. Lee

Judith G. Giri  
Judith G. Giri

Neena L. Summers  
Neena L. Summers

Barbara K. Klein  
Barbara K. Klein

Maire H. Caparon  
Maire H. Caparon

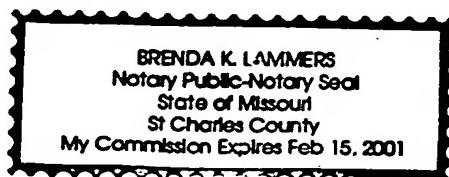
S. Christopher Bauer  
S. Christopher Bauer

State of Missouri )  
                      )  
                      ) ss.  
County of St. Charles )

On the day and year aforesaid, appeared Nicholas R. Staten, Charles A. McWherter, Yiqing Feng, S. Christopher Bauer, Linda L. Zurfluh, Barbara K. Klein, Maire H. Caparon, Judith G. Giri, Neena L. Summers, and John Patrick McKearn, personally known to me, and by me personally known to be the person who executed the above instrument, who, being duly sworn, acknowledged that he executed the above instrument as his free and voluntary act.

Brenda K. Lammers

Notary Public



**ASSIGNMENT (JOINT, SEPARATE)**

For Ten Dollars and other valuable considerations, the receipt and sufficiency of which are hereby acknowledged, I, Charles M. Baum, residing at 2427 Lawndale Ave, Evanston, Illinois, 63201, hereby sell, assign, transfer and convey unto G.D. SEARLE & CO., a Delaware corporation, whose address is Post Office Box 5110, Chicago, Illinois, 60680, its successors and assigns, the entire right, title and interest in and to my invention in **MULTI-FUNCTIONAL HEMATOPOIETIC RECEPTOR AGONISTS** described in an application for United States Letters Patent therefore, executed on even date herewith, and in and to all Letters Patent of the United States and foreign countries, in which I am a joint inventor with Nicholas R. Staten, Charles A. McWherter, Yiqing Feng, Judith G. Giri, Neena L. Summers, Maire H. Caparon, S. Christopher Bauer, Linda L. Zurfluh, Barbara K. Klein, Stephen C. Lee, and John Patrick McKearn, including any divisions, continuations, reissues and extensions thereof that may be obtained therefore; and I agree that I will, without additional compensation, but without cost to me, promptly communicate to said G.D. SEARLE & CO., or its representatives any facts known to me respecting said invention whenever requested, and testify in any legal proceedings, sign all lawful papers, and execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid our said assignee, its successors and assigns, as and when requested by them, in obtaining and enforcing proper patent protection for said invention or inventions and improvements in the United States and all countries foreign thereto; and I hereby authorize and request the Commissioner of Patents to issue any and all Letters Patent that may be granted for said invention to said G.D. SEARLE & CO., its successors and assigns.

Signed and sealed this 17<sup>th</sup> day of October, 1997.



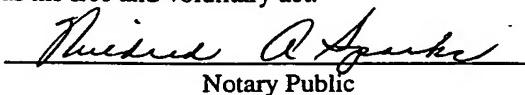
Charles M. Baum

State of Illinois)

)S.S

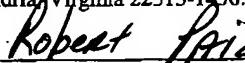
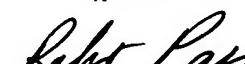
County of Cook)

On the day and year aforesaid, appeared Charles M. Baum, personally known to me, and by me personally known to be the person who executed the above instrument, who, being duly sworn, acknowledged that he executed the above instrument as his free and voluntary act.

  
Notary Public

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: Unknown )  
 Examiner: Unknown )  
 Applicants: Feng, et al. )  
 Application Number: Unknown )  
 Filed: October 27, 2003 )  
 For: MULTI-FUNCTIONAL HEMATOPOIETIC )  
 FUSION PROTEINS BETWEEN )  
 SEQUENCE REARRANGED G-CSF )  
 RECEPTOR AGONISTS AND OTHER )  
 HEMATOPOIETIC FACTORS )

CERTIFICATE OF MAILING	
Express Mail No.:	EV 169252205 US
Date of Deposit:	<u>Oct 27, 2003</u>
I certify that the accompanying paper is being deposited with the United States Postal Service and sent "Via Express Mail" service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.	
	
<small>Typed or Printed Name:</small>	
	
<small>Signature</small>	

Mail Stop Patent Application  
 Commissioner of Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

ASSOCIATE POWER OF ATTORNEY

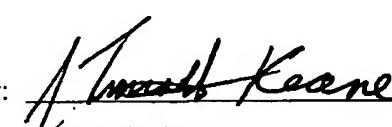
Please recognize the following as associate attorneys in the above-identified application:

Carol M. Nielsen, Reg. No. 37,676	John Timothy Headley, Reg. No. 31,765
Thomas C. Wright, Reg. No. 47,189	Jennifer S. Sickler, Reg. No. 36,005
Robert E. Holthus, Reg. No. 50,347	

of the firm Gardere Wynne Sewell LLP with full power to transact all business before the Patent and Trademark Office with regard to said application and any continuation or divisional applications thereof.

Respectfully submitted,

Date: 23 Oct 03

By:   
 J. Timothy Keane  
 Registration No. 27,808

Gardere Docket No. 126181-1058

# PHARMACIA CORPORATION

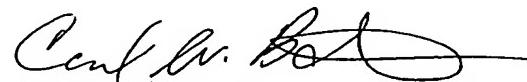
1. Pursuant to the authority delegated to me by the Board of Directors of Pharmacia Corporation, acting through Don W. Schmitz, its Vice President and Secretary, I, Carl W. Battle, Vice President and Associate General Counsel, Pharmacia Corporation, hereby delegate and authorize:

Dennis A. Bennett, James C. Forbes, J. Timothy Keane, Robert M. Kennedy, J. Michael Warner, Scott A. Williams, Karen King, S. Christopher Bauer, Verne A. Luckow, Rachel A. Polster, and Joseph R. Schuh, individually, who are all intellectual property counsel of Pharmacia Corporation or its subsidiaries and affiliated companies (the "Company") to:

- a. approve, alter, amend, execute and deliver in any country of the world and in the name of and on behalf of the Company (without necessity for affixing a Company seal thereto) any document relating to matters of any invention, patent or design, including, but not limited to, any document in connection with any application for the grant, extension or maintenance of any patent, registration, supplemental protection certificate, or other certificate evidencing the rights of the Company to any of said matters;
- b. approve, alter, amend execute and deliver in any country of world and in the name of and on behalf of the Company (without necessity for affixing a Company seal thereto) any document relating to matters of any copyright, service mark or trademark, including, but not limited to, any document in connection with any application for the grant, renewal or maintenance of any registration or other certificate evidencing the rights of the Company to any of said matters;
- c. appoint agents and to revoke appointment of agents, and to grant and revoke powers of attorney, for the representation of the Company in any administrative or judicial proceeding, with the same effect as if such documents, appointments, grants or revocations had been duly executed under Company seal and had been signed by a duly authorized Company officer;
- d. approve, alter, amend, execute and deliver in any country of the world and in the name of and on behalf of the Company (without necessity for affixing a Company seal thereto) any documents effecting an administrative or judicial determination of the rights of the Company in a pending application;
- e. sign agreements or other documents for the purpose of formal ratification of the sale, transfer, assignment, license or other disposition of rights of the Company, provided that the disposition of said rights has been approved by an authorized individual; and
- f. delegate the authority granted in the preceding paragraphs to any other employee of, or to any counsel to, the Company.

2. All the lawful acts of any person authorized by the foregoing resolutions are hereby severally ratified, confirmed, approved and adopted as acts on behalf of the Company.
3. This resolution supersedes Monsanto Bd Res 2000-10 regarding signature authority for patent and trademark applications adopted by the Board of Directors on February 25, 2000.
4. The signature of the delegates identified above shall constitute complete and formal execution of the document by the company.

PHARMACIA CORPORATION



Carl W. Battle  
Vice President Global Intellectual Property

Date: July 31 2001

**DECLARATION AND POWER OF ATTORNEY**  
**FOR PATENT APPLICATION**

As the below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name; that

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**MULTI-FUNCTIONAL HEMATOPOIETIC RECEPTOR AGONISTS**

The specification of which, with any Preliminary Amendment, (check one)

[ ] is attached hereto

[X] was filed on April 04, 1997 as Application Serial No. 08/835,162 and was amended on \_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a)

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)	Priority Claimed
PCT/US 96/15774      PCT (Number)                (Country)	October 4, 1996 [X] Yes [ ] No (Day/month/year filed)

I hereby claim the benefit under Title 35, United States Code, §119(e) and §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

60/004,834 (Application Serial No.)	October 5, 1995 (Filing date)	Abandoned (Status)
--	----------------------------------	-----------------------

**POWER OF ATTORNEY:** As a named inventor, I hereby appoint as attorneys/agents: GEORGE R. BECK, Registration No. 21, 180; DENNIS A. BENNETT, Registration No. 34,547; JON H.

R. BECK, Registration No. 21, 180; DENNIS A. BENNETT, Registration No. 34,547; JON H. BEUSEN, Registration No. 30,610; GARY M. BOND, Registration No. 29,283; GRACE L. BONNER, Registration No. 32, 963; JOSEPH W. BULOCK, Registration No. 37,103; JAMES C. FORBES, Registration No. 39,457; DENNIS R. HOERNER, Registration No. 30,914; J. TIMOTHY KEANE, Registration No. 27,808; CYNTHIA S. KOVACEVIC, Registration No. 35,578; ; LARRY M. LAVIN, Registration No. 30,768; THOMAS P MCBRIDE, Registration No. 32, 706; SCOTT J. MEYER, Registration No. 25,275; MICHAEL J. ROTH 29,342; JOY ANN SERAUSKAS, Registration No. 27,952; RICHARD H. SHEAR, Registration No. 26,583; BRIAN K. STIERWALT, Registration No. 33,213; ROGER A. WILLIAMS, Registration No. 27,679; to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct all telephone calls to Dennis A. Bennett at 314-737-6986 and address all correspondence to:

G. D. Searle & Co.  
Corporate Patent Law Department  
P.O. Box 5110  
Chicago, Illinois 60680-9889  
ATTENTION: Dennis A. Bennett

I further declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

1.)	LAST NAME	FIRST NAME	MIDDLE NAME
FULL NAME OF INVENTOR 1	Feng	Yiqing	
RESIDENCE & CITIZENSHIP	CITY St. Louis	STATE Missouri	COUNTRY U. S. A.
POST OFFICE ADDRESS	POST OFFICE ADDRESS 423 Mission Ct.	CITY St. Louis	STATE OR COUNTRY Missouri
SIGNATURE OF INVENTOR 1		DATE 10/19/97	ZIP CODE 63130

2.)	LAST NAME	FIRST NAME	MIDDLE NAME
FULL NAME OF INVENTOR 2	Staten	Nicholas	R.
RESIDENCE & CITIZENSHIP	CITY St. Louis	STATE Missouri	COUNTRY U. S. A.
POST OFFICE ADDRESS	POST OFFICE ADDRESS 859 Queen Ann Place	CITY St. Louis	STATE OR COUNTRY Missouri
SIGNATURE OF INVENTOR 2		DATE 10/19/97	ZIP CODE 63122

3.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 3</b>	Baum	Charles	M.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY Evanston	STATE Illinois	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 2427 Lawndale Ave	CITY Evanston	STATE OR COUNTRY , Illinois
<b>SIGNATURE OF INVENTOR 3</b>	<i>Charles Baum</i>	DATE <i>10/17/97</i>	ZIP CODE 63201

4.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 4</b>	Summers	Neena	L.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY St. Charles	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 1203 Saddlemaker	CITY St. Charles	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 4</b>	<i>Neena Summers</i>	DATE <i>10/09/97</i>	ZIP CODE 63304-2423

5.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 5</b>	Caparon	Maire	Helena
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY Chesterfield	STATE Missouri	COUNTRY Ireland
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 109 Beechwood Court	CITY Chesterfield	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 5</b>	<i>Maire H. Caparon</i>	DATE <i>10-9-97</i>	ZIP CODE 63017

6.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 6</b>	Bauer	S.	Christopher
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY New Haven	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 4656 Orchard Road	CITY New Haven	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 6</b>	<i>S. Christopher Bauer</i>	DATE <i>10/09/97</i>	ZIP CODE 63068

7.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 7</b>	Zurfluh	Linda	L.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY Kirkwood	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 126 E. Maple	CITY Kirkwood	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 7</b>	<i>Linda Zurfluh</i>	DATE 10/9/97	ZIP CODE 63122

8.)

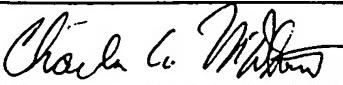
	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 8</b>	McKearn	John	P.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY Glencoe	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 18612 Babler Meadows Drive	CITY Glencoe	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 8</b>	<i>John P. McKearn</i>	DATE 10/10/97	ZIP CODE 63038

9.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 9</b>	Klein	Barbara	K.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY St. Louis	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 12917 Topping Estates	CITY St. Louis	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 9</b>	<i>Barbara R. Klein</i>	DATE 10/9/97	ZIP CODE 63131

10.)

	LAST NAME	FIRST NAME	MIDDLE NAME
<b>FULL NAME OF INVENTOR 10</b>	Lee	Stephen	C.
<b>RESIDENCE &amp; CITIZENSHIP</b>	CITY St. Louis	STATE Missouri	COUNTRY U. S. A.
<b>POST OFFICE ADDRESS</b>	POST OFFICE ADDRESS 828 Fernview Drive	CITY St. Louis	STATE OR COUNTRY Missouri
<b>SIGNATURE OF INVENTOR 5</b>	<i>Stephen Lee</i>	DATE 10/9/97	ZIP CODE 63141

11.)	LAST NAME	FIRST NAME	MIDDLE NAME
FULL NAME OF INVENTOR 11	McWherter	Charles	A.
RESIDENCE & CITIZENSHIP	CITY Wildwood	STATE Missouri	COUNTRY U. S. A.
POST OFFICE ADDRESS	POST OFFICE ADDRESS 16564 Thunderhead Canyon Ct.	CITY Wildwood	STATE OR COUNTRY Missouri
SIGNATURE OF INVENTOR 11		DATE 10/9/97	ZIP CODE 63011

12.)	LAST NAME	FIRST NAME	MIDDLE NAME
FULL NAME OF INVENTOR 12	Giri	Judith	G.
RESIDENCE & CITIZENSHIP	CITY Chesterfield	STATE Missouri	COUNTRY U. S. A.
POST OFFICE ADDRESS	POST OFFICE ADDRESS 15446 Grantly Drive	CITY Chesterfield	STATE OR COUNTRY Missouri
SIGNATURE OF INVENTOR 12		DATE 10/10/97	ZIP CODE 63017